

VIII. Lime Wash.

Slake $1\frac{1}{2}$ pounds fresh lime in 1 gallon of water. Strain the wash before spraying. To be applied during winter to trees infested with Oyster-Shell Bark lice.

Orchard Spraying.

Spraying is now generally practised by our best apple growers and the most successful growers are the firmest believers in the value of, and necessity for, *thorough, intelligent spraying*.

Thorough, intelligent spraying means (1) the use of a good spray-pump and outfit, (2) a knowledge of the enemies to be treated, (3) a knowledge of the remedies which have been found most effective, and their preparation, and (4) the proper time for the application of the remedies. It should be remembered that prevention of fungous diseases is possible, but their cure is hardly practicable.

The following spray Calendar for an apple orchard will be found very helpful to the grower who makes an honest effort to spray successfully.

A SPRAY CALENDAR FOR AN APPLE ORCHARD.

Application.	When to Spray.	Insects and Fungi Controlled.
Lime-wash	In winter	Oyster-shell scale, scurfy scale.
Lime-sulphur wash or Crude Petroleum	In early spring while trees are still dormant	San Jose scale, oyster-shell scale, and aphids.
1. Bordeaux, and Paris Green or other arsenical compound	Just as leaf-buds are expanding	Bud moth, case-bearers, scab, bitter-rot, black rot.
2. Bordeaux, and Paris Green or other arsenical compound	Just before blossoms open	Canker-worms, tent-caterpillars, bud-moth, case-bearers, etc., scab, bitter-rot, black rot.
3. Bordeaux, and Paris Green or other arsenical compound	Just after blossoms fall	Codling moth, cankerworms, tent-caterpillars, etc., scab, bitter-rot, etc.
4. Bordeaux, and Paris Green or other arsenical compound	Ten days or two weeks later	Codling moth, palmer worm, apple bucculatrix, curculio, scab, bitter-rot, etc.
5. Bordeaux, and Paris Green or other arsenical compound	Two weeks later—in July	Scab, bitter-rot, etc.
6. Bordeaux, and Paris Green or other arsenical compound	When second brood of Codling moths appears in August	Codling moth, scab, bitter rot.